

TARGET DETECTION SYSTEM USING RADAR AND IMAGE PROCESSING

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ABSTRACT OF THE DISCLOSURE

10 A target detection system using an EHF radar and the
image processing is disclosed, in which the processing
time is shortened by mutually complementing the
disadvantages of the EHF radar and the image processing
thereby to improve the reliability. The system comprises
a radar, an image acquisition unit and an image
processing ECU. The microcomputer of the ECU specifies
15 an image recognition area based on the power output from
the radar, and carries out the image processing only
within the specified recognition area for the image
obtained from the image acquisition unit. By performing
the image processing only for the area where a target is
20 detected by the radar, the time required for image
processing is shortened on the one hand and the erroneous
detection of letters on the road surface or the like is
eliminated.